Fast Flux Test Facility (FFTF) Project (RL-0042)

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Celebrating Safety and Success – FH senior management serves lunch to FFTF employees

Overview

This section addresses work in Project Baseline Summary RL-0042, *Nuclear Facility Deactivation and Decommissioning, Fast Flux Test Facility Project.*

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2005.

Notable Accomplishments

Safety: On January 31, 2005, the staff of the Fast Flux Test Facility (FFTF) achieved 1,339 days (three years, eight months) without a lost workday. This equals the longest previous period without a lost workday.

Fuel Offload: The FFTF staff completed Fuel Offload Campaign 63 with the shipment of the eighth and ninth Interim Storage Casks (ISCs) to the 200-Area Interim Storage Area in January. Preparations continue to load two additional Core Component Containers with 14 fuel assemblies and to process PO-4 in the coming months. Additional ISCs will be delivered beginning in mid to late summer to complete fuel offload.

Primary Sodium Drain: Preparations for draining the reactor vessel (Phase 3 of primary sodium drain) continue. Assembly of the Reactor Vessel Drain Pump in the Maintenance and Storage Facility (MASF) continues with good progress; two of the three sections of the upper pump mast are essentially complete. Testing of the reactor vessel drain pump skid and control system in MASF is complete and preparation of the pump operating procedure is in progress.

Fuel Storage Facility (FSF): The last fuel assembly was removed from the FSF and, in preparation for sodium drain, the vessel vault was opened to allow repair of failed trace heat on the vessel bottom. Striker plates were also removed from above the vessel to gain access for installation of a dip tube for draining sodium.

T-3 Addendum: The T-3 Spent Fuel Shipping Cask Sodium Bonded Metal Fuel Addendum was submitted to DOE-HQ in January after completing a review by DOE-RL. Once approved, this addendum will allow transportation of this unique fuel type to the Idaho National Engineering and Environmental Laboratory for further processing in preparation for final disposition at the repository.

FY 2005 Funds vs. Spend Forecast ($M)

	FY 2005 Anticipated Funding w/ Carryover	FY 2005 Fiscal Year Spend Forecast	Variance
Nuclear Facility D&D, FFTF Project	$ 46.4	$ 44.6	$ 1.8

FY 2005 Schedule/Cost Performance ($M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
FFTF Project	$16.1	$13.4	$13.0	-$2.7	-16.6%	$0.4	3.1%	$44.2

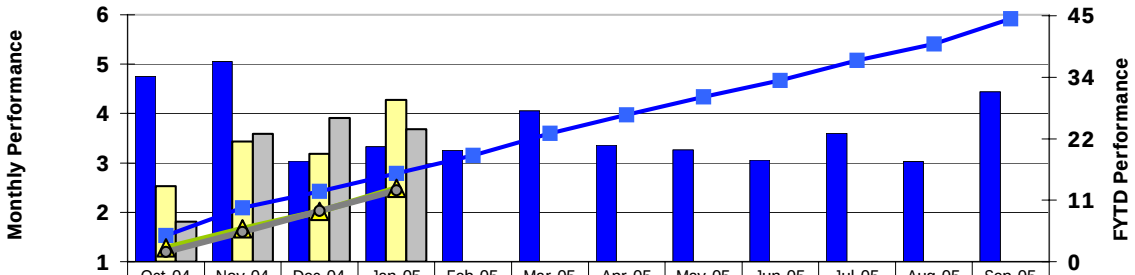
Numbers are rounded to the nearest $0.1M.

Schedule Performance (-$2.7M/-16.6%): The schedule variance is primarily due to the ISC procurement being budgeted in October and November to clearly identify the timing of needed funds; the fabrication will actually occur from December until the end of the fiscal year.

Cost Performance (+$0.4M/+3.1%): The cost variance is due to staffing underruns and efficiencies.

FY 2005 Schedule/Cost Performance, continued

Performance Analysis
FYTD and Monthly ($M)



	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05
Monthly BCWS	4.8	5.1	3.0	3.3	3.3	4.1	3.4	3.3	3.1	3.6	3.0	4.4
Monthly BCWP	2.5	3.4	3.2	4.3								
Monthly ACWP	1.8	3.6	3.9	3.7								
FYTD BCWS	4.8	9.8	12.8	16.1	19.3	23.4	26.7	30.0	33.1	36.7	39.7	44.2
FYTD BCWP	2.5	6.0	9.1	13.4								
FYTD ACWP	1.8	5.4	9.3	13.0								

Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comments
RL42-1a3	Complete loading and transferring ten additional Interim Storage Casks (ISCs)	PI	3/31/05	See Note	3/31/05	See Note

NOTE: The ninth ISC was loaded and shipped on January 21, 2005. The tenth ISC was damaged during manufacturing; that ISC will be replaced by the vendor in late summer 2005.